$$3,1)$$
  $s(m,n) = g(mT,nT); T > 0$ 

3.2) 
$$G(u,v) = CSFT(g(x,y))$$

$$S(e^{jN} e^{jV}) = \frac{1}{T^2} \sum_{k=-\infty}^{\infty} \frac{\delta}{2\pi T} \left( \frac{\gamma - 2\pi k}{2\pi T} \right)$$

$$=H\left(e^{j\mu},e^{j\nu}\right)\left[\frac{1}{T^{2}}\sum_{k=-\infty}^{\infty}G\left(\frac{\mu-2\pi k}{2\pi T},\frac{\gamma-2\pi l}{2\pi T}\right)\right]$$

3,4) Let p(x,y) be the point spread function (PSF) of the LCD display

$$P(u,v) = CSFT(p(x,y))$$

$$F(u,v) = P(u,v)\widetilde{S}(e^{j\nu},e^{j\nu})$$

$$= P(u,v)H(e^{j\mu},e^{j\nu})\left[\frac{1}{T^2}\sum_{k=-\infty}^{\infty}\frac{\infty}{2\pi T}G\left(\frac{\mu-2\pi k}{2\pi T},\frac{\gamma-2\pi k}{2\pi T}\right)\right]$$

3.6) Select H(ein, eiv) to be a partial or complete high pass filter so that the blurriness introduced from the sampling and reconstruction is removed